

FIG.1

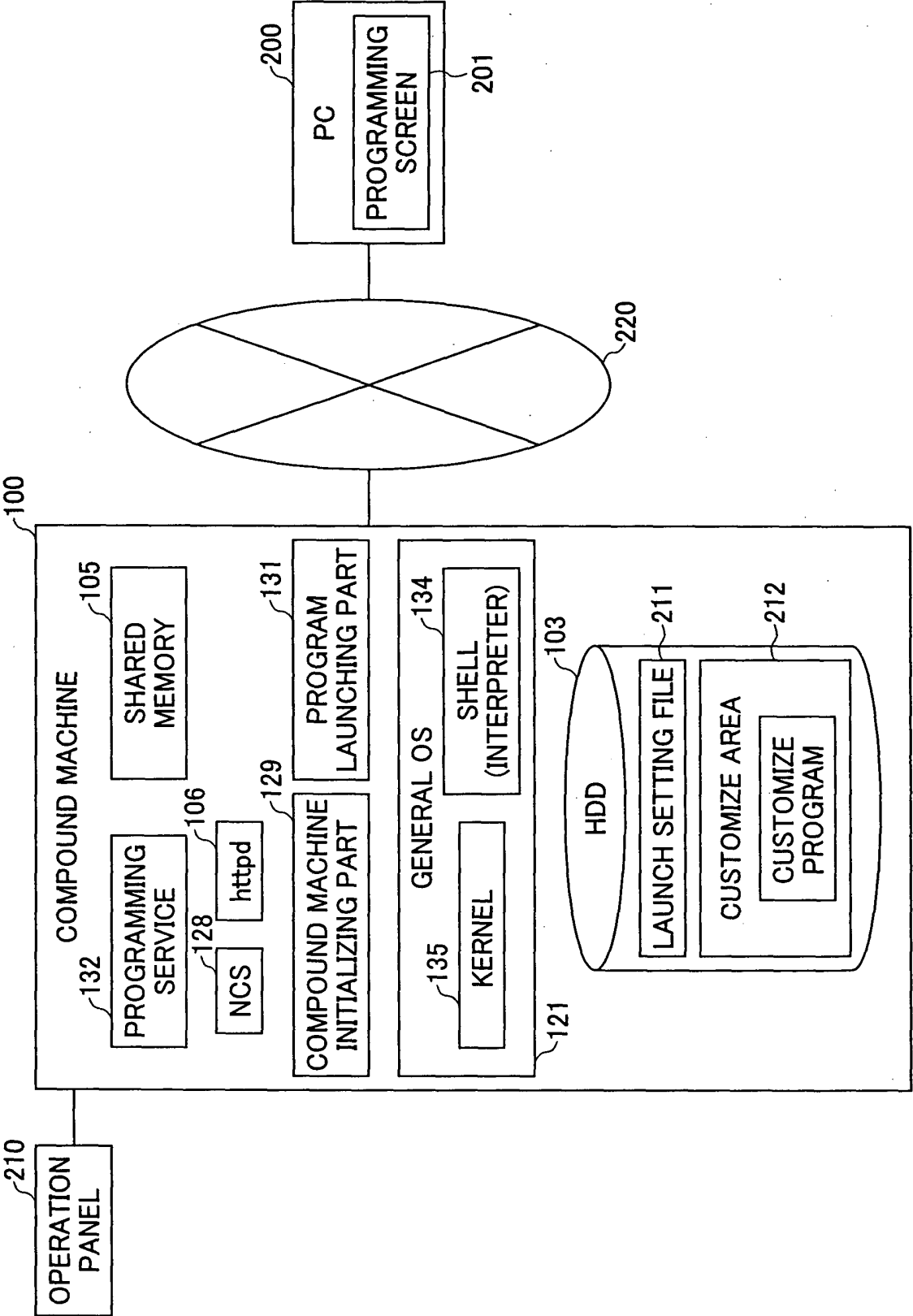


FIG.2

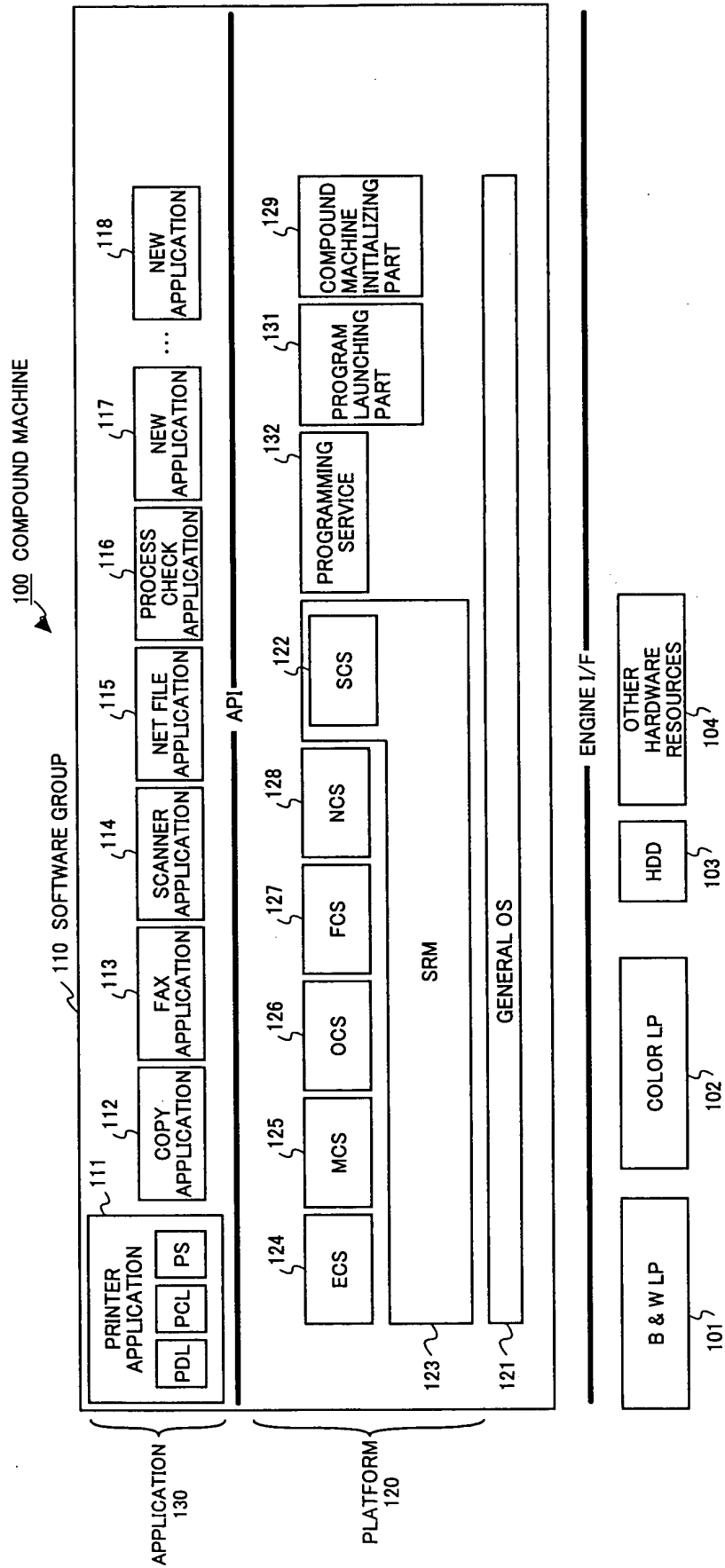


FIG.3

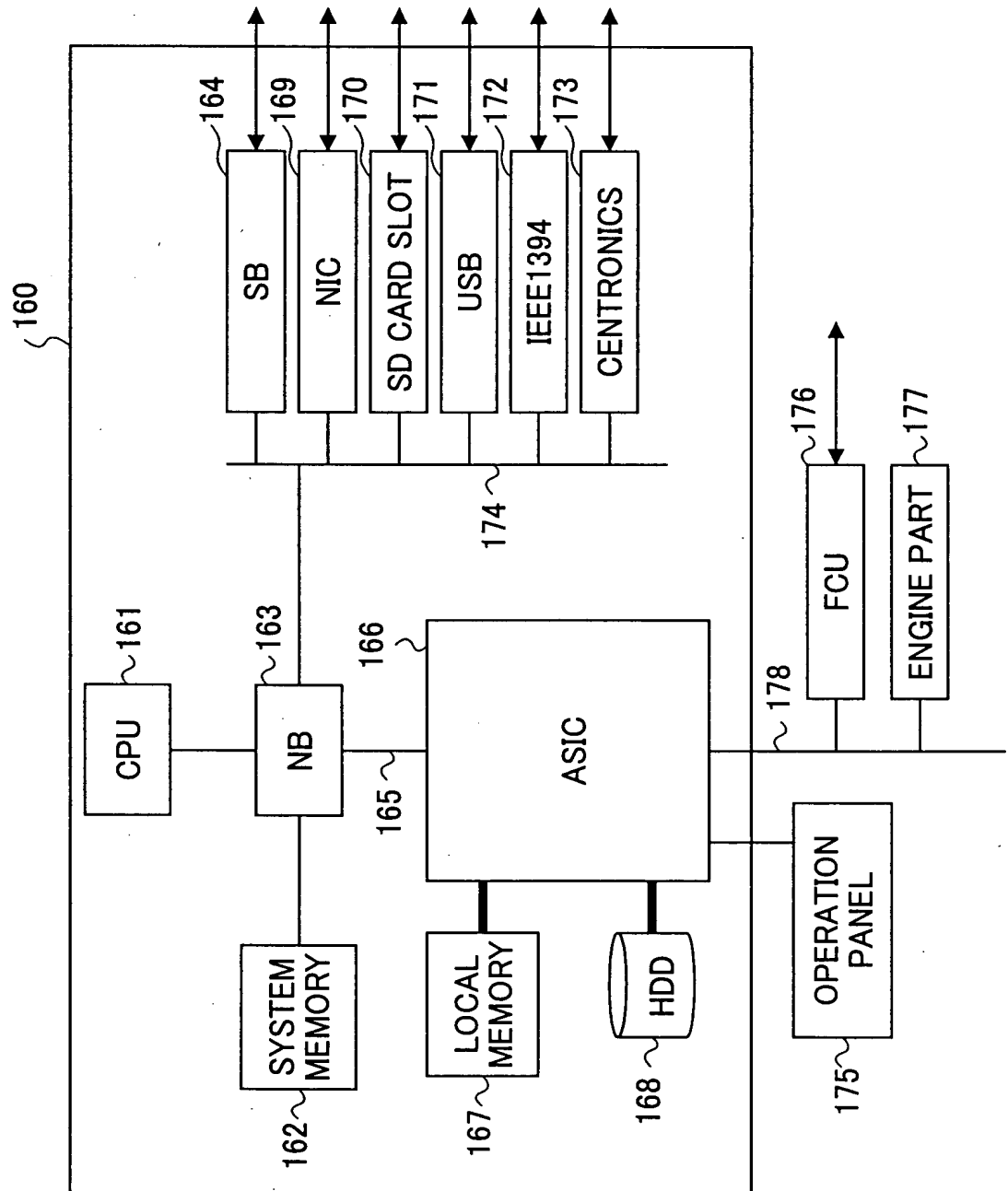


FIG.4

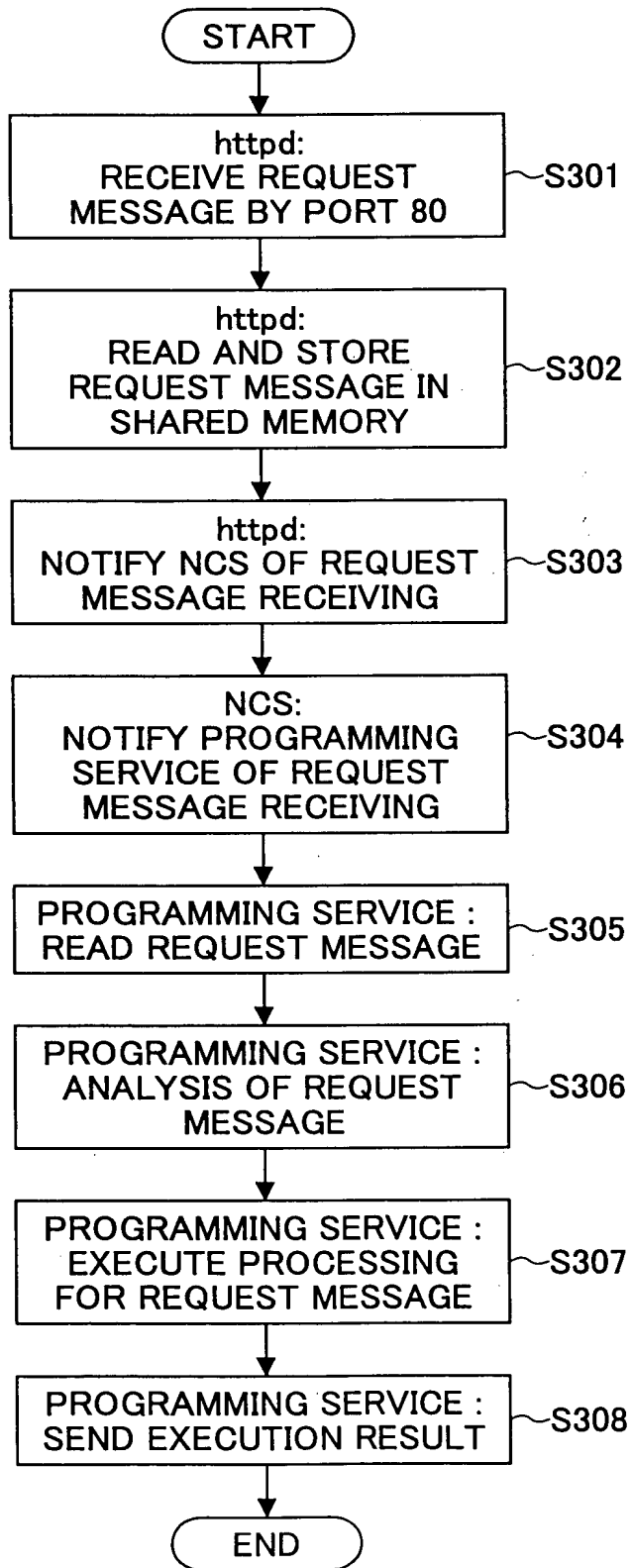


FIG.5

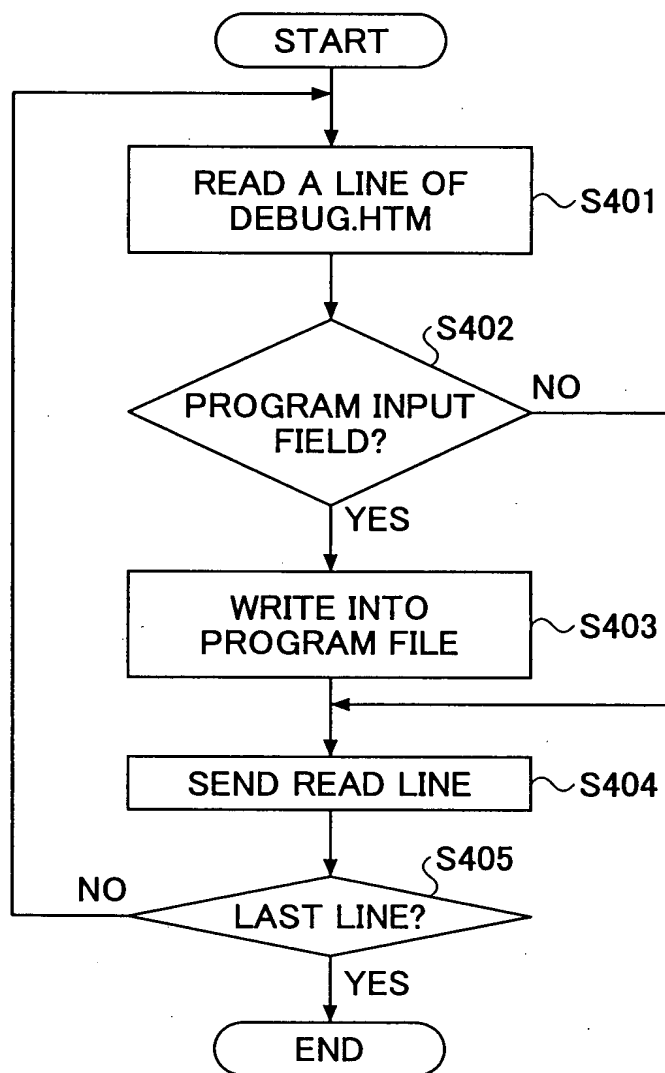


FIG.6

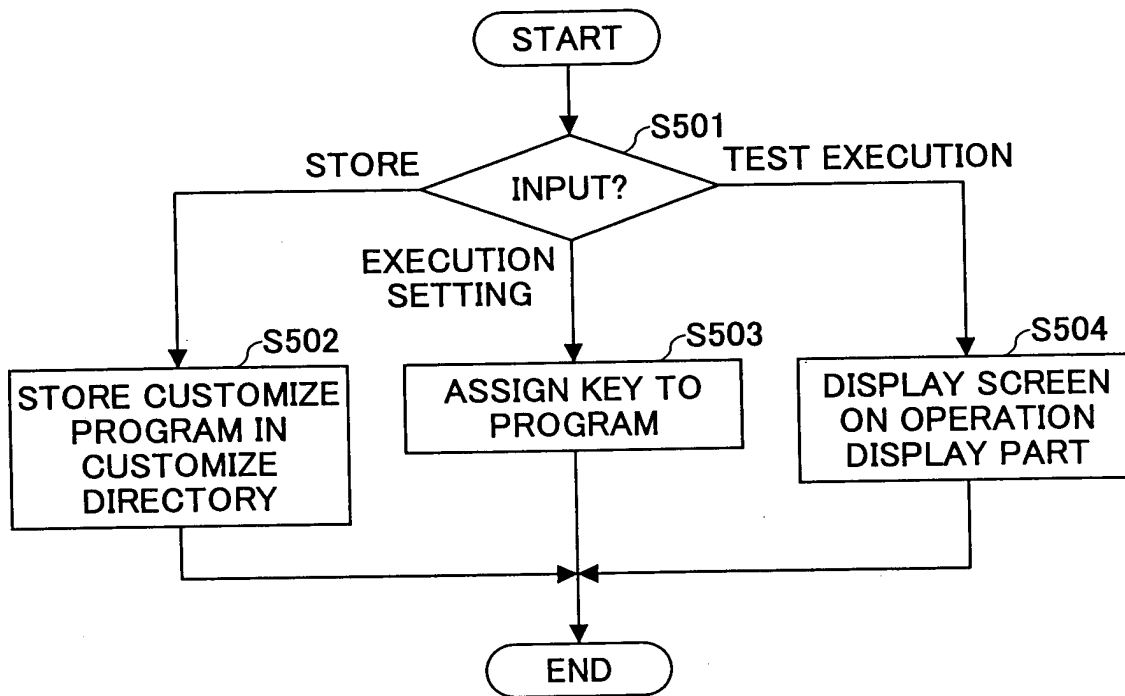


FIG.7

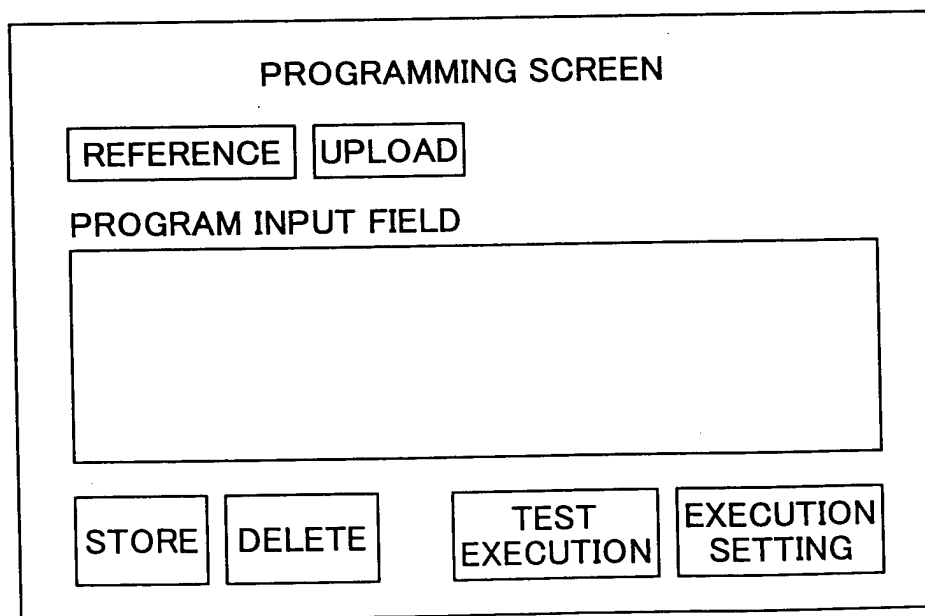


FIG.8

```
# ocr shell script
#
scanimage -out /hdd/ts/tmp/tmpimg.tif
decomp -in /hdd/ts/tmp/tmpimg.tif -out /hdd/ts/tmp/tmpimg.bmp
ocr -in /hdd/ts/tmp/tmpimg.bmp -out /hdd/ts/tmp/ocrresult.txt
mail xxxxx@yy.zz.co.jp
```

FIG.9

CUSTOMIZE DIRECTORY / FILE NAME

```
hdd/xxx/opepane/shell1
                        shell2
                        shell3
```

FIG.10

KEY ASSOCIATION TABLE

KEY CODE:	CUSTOMIZE PROGRAM
501	: shell1
502	: sh 2
503	: sh 3

FIG.11

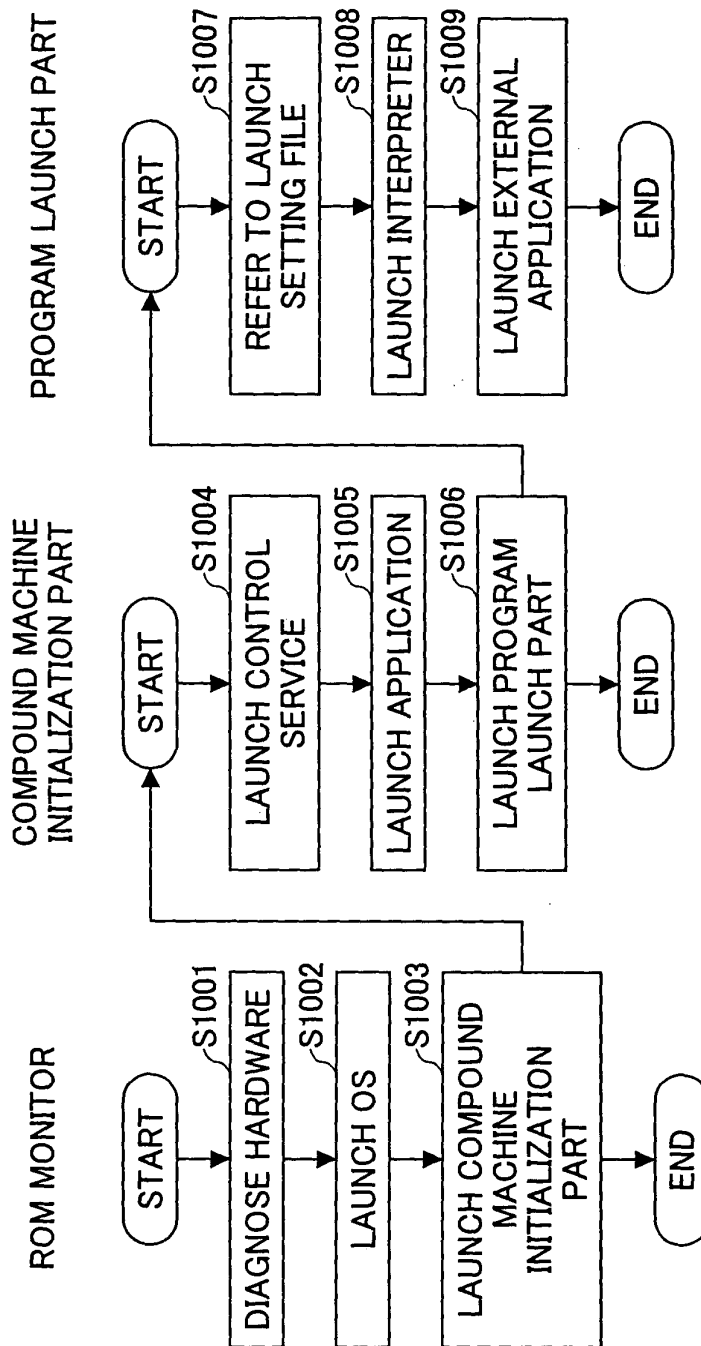


FIG.12

LAUNCH SETTING FILE

PROGRAM NAME	INTERPRETER (SHELL)
PROGRAM NAME	XXX APPLICATION
	⋮

FIG.13

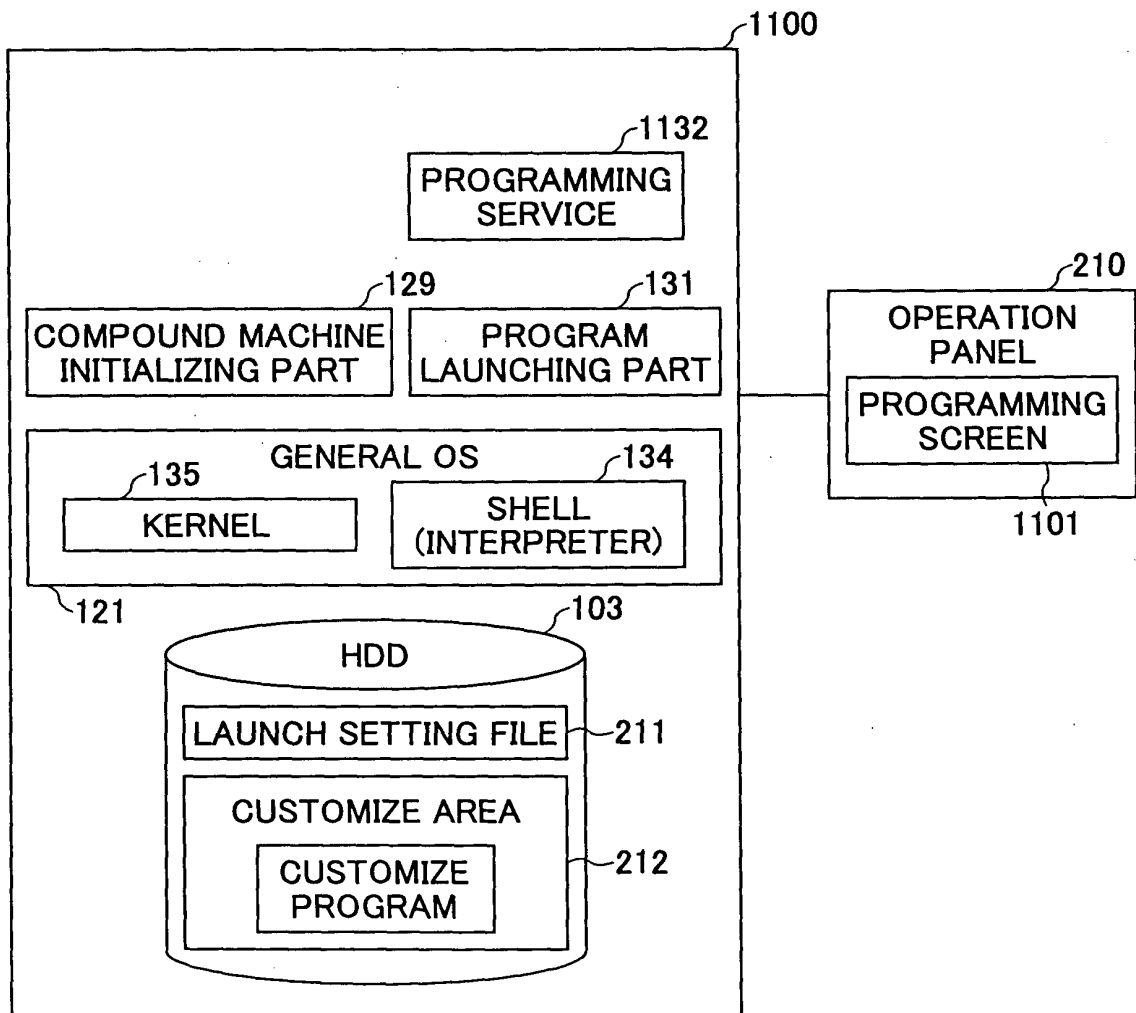


FIG.14

PROGRAMMING SCREEN

REFERENCE

PROGRAM INPUT FIELD

STORE DELETE TEST EXECUTION EXECUTION SETTING

FIG.15

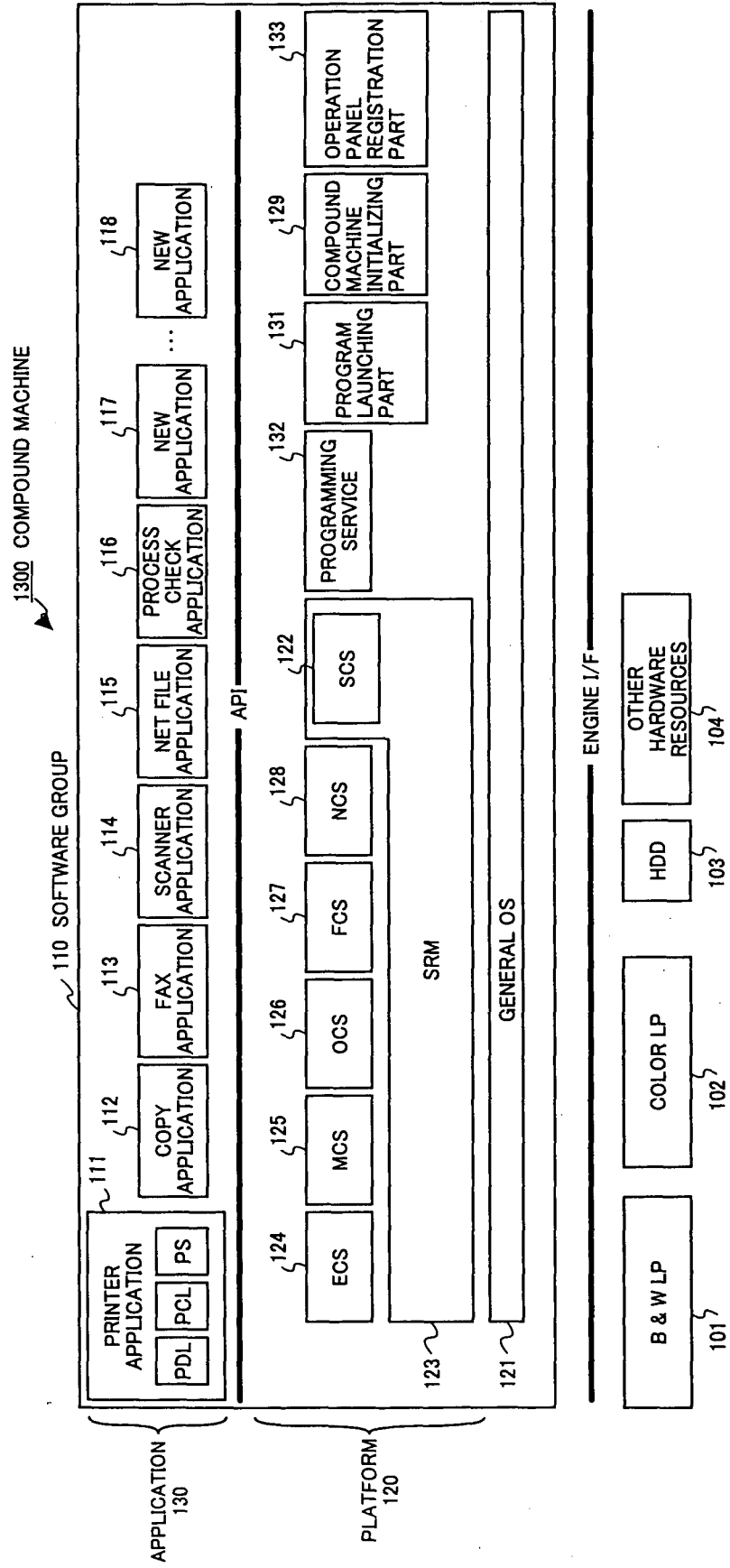


FIG.16

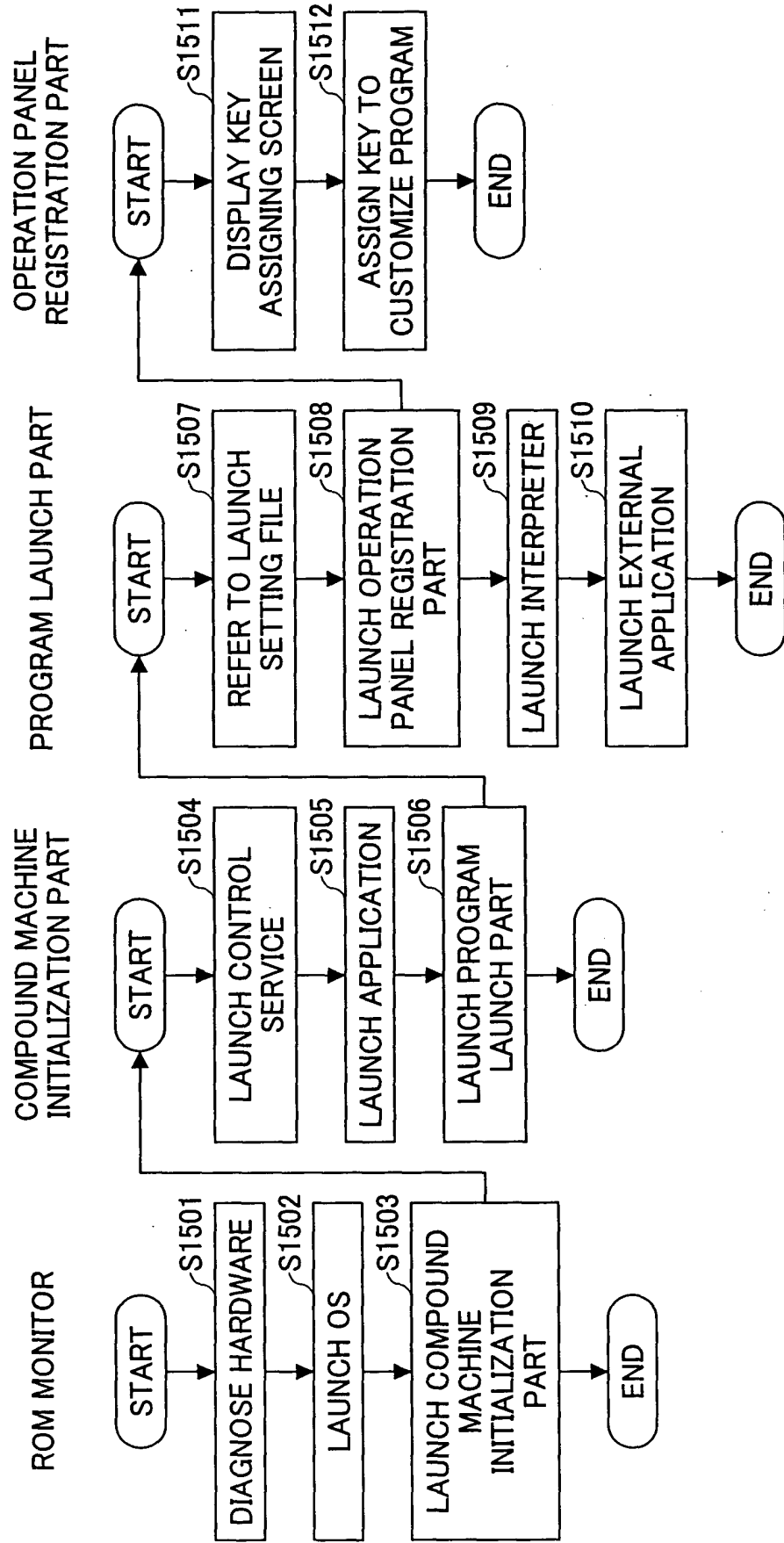


FIG.17

LAUNCH SETTING FILE

PROGRAM NAME	OPERATION PANEL REGISTRATION PROGRAM
PROGRAM NAME	INTERPRETER (SHELL)
PROGRAM NAME	XXX APPLICATION
	⋮

FIG.18

KEY ASSIGNMENT SETTING SCREEN			
CUSTOMIZE PROGRAM	KEY (BUTTON)		
Shell1	<input type="text" value="A"/>	<input type="text" value="B"/>	<input type="text" value="C"/>
Shell2	<input type="text" value="A"/>	<input type="text" value="B"/>	<input type="text" value="C"/>
Shell3	<input type="text" value="A"/>	<input type="text" value="B"/>	<input type="text" value="C"/>

FIG.19

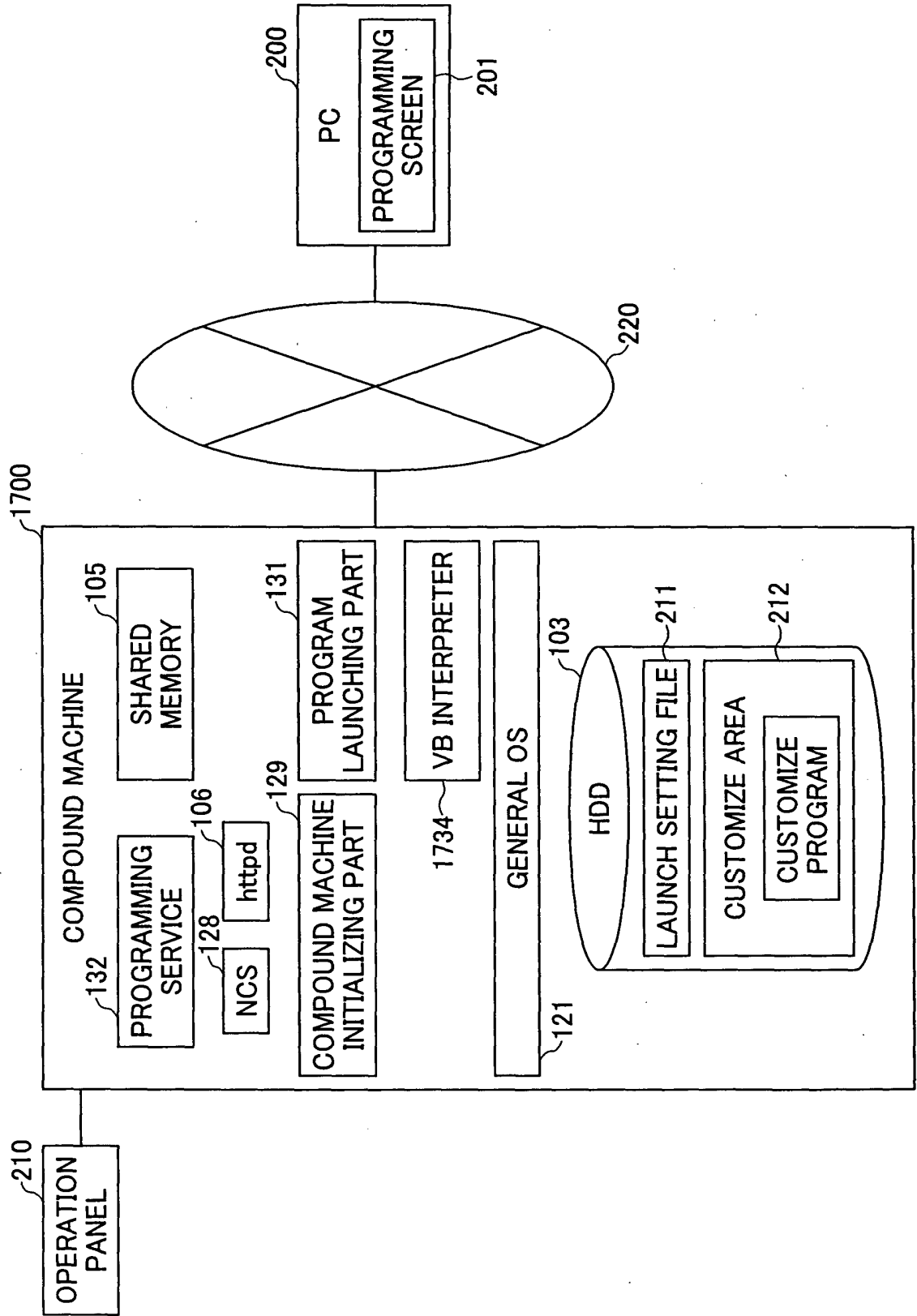


FIG.20

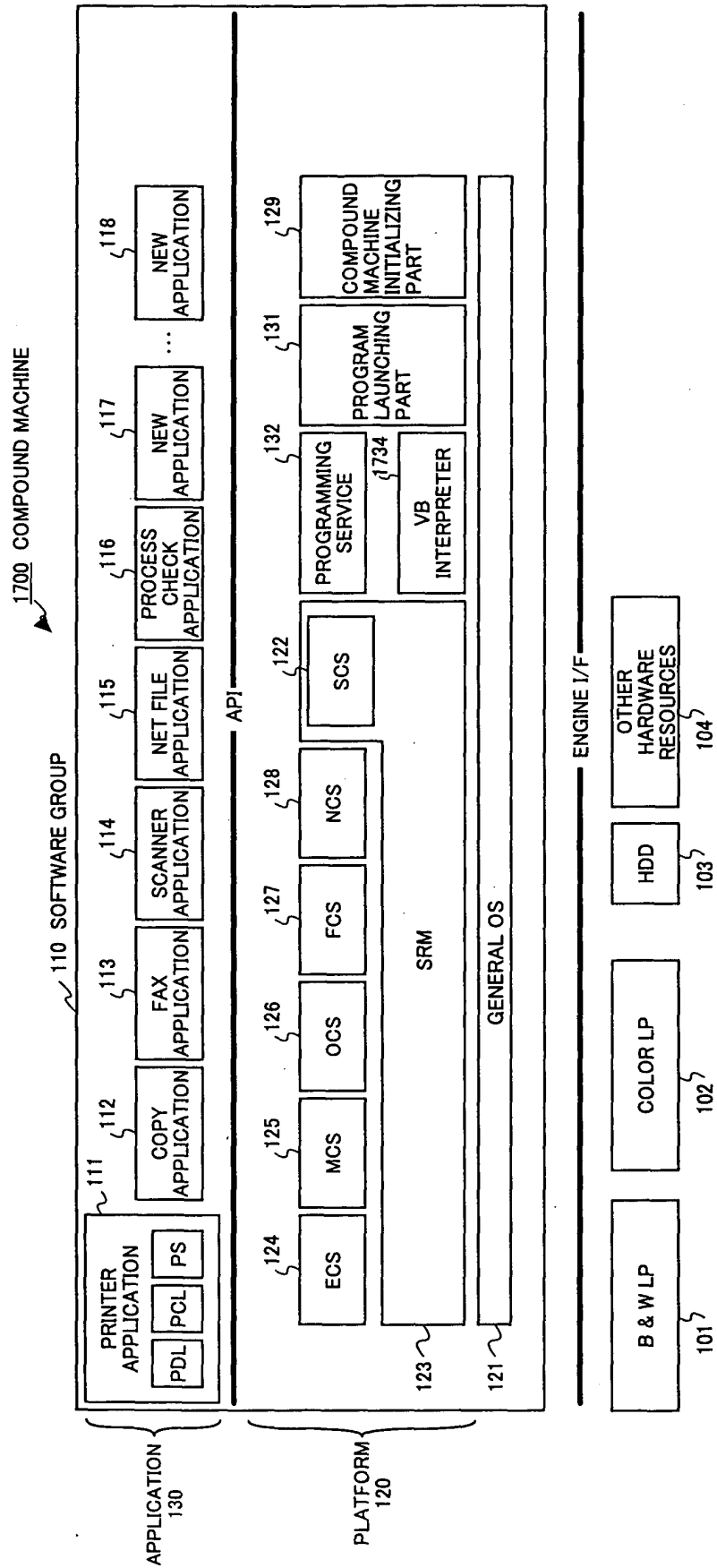


FIG.21

LAUNCH SETTING FILE

PROGRAM NAME	VB INTERPRETER
PROGRAM NAME	XXX APPLICATION
	⋮

FIG.22

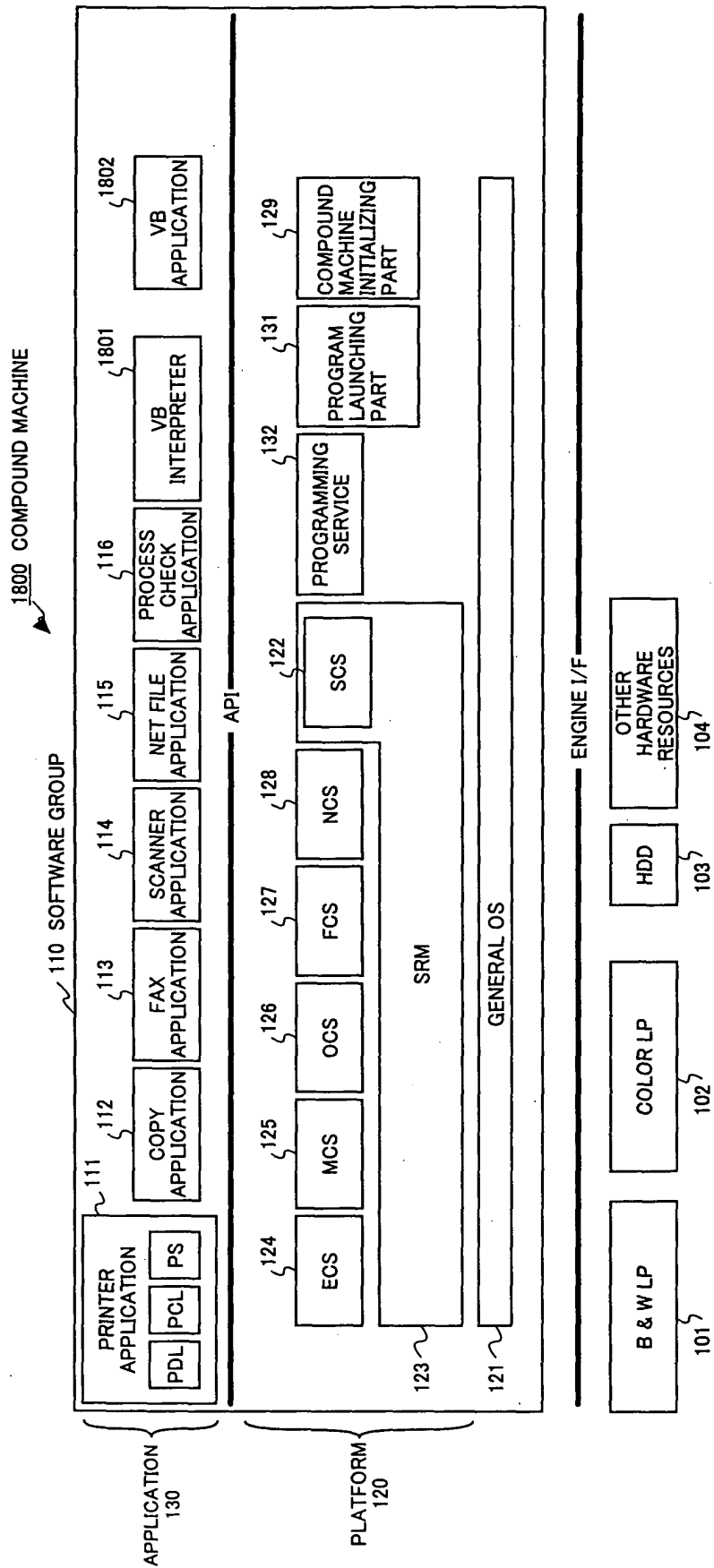


FIG.23

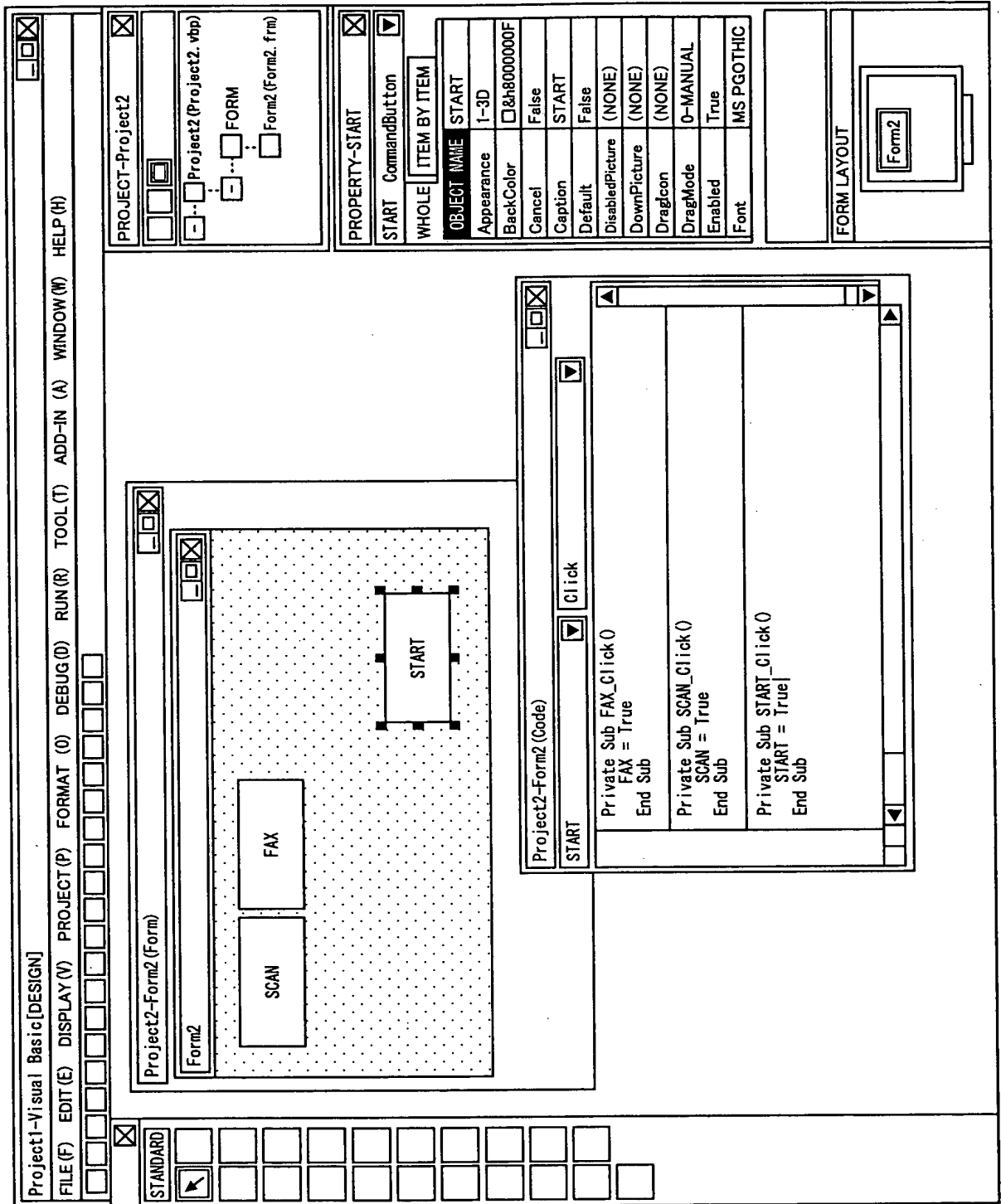


FIG.24

Begin VB. Form Form1

Caption	=	"Form1"
ClientHeight	=	3390
ClientLeft	=	60
ClientTop	=	345
ClientWidth	=	6990
LinkTopic	=	"Form1"
ScaleHeight	=	3390
ScaleWight	=	6990
StartUpPosition	=	3 'Windows DEFAULT

Begin VB. CommandButton NEXTWIN

Caption	=	"NEXTWIN"
Height	=	735
Left	=	480
TabIndex	=	0
Top	=	480
Width	=	1575

End

End

Attribute VB_Name = "Form1"

Attribute VB_GlobalNameSpace = False

Attribute VB_Creatable = False

Attribute VB_PredeclaredId = True

Attribute VB_Exposed = False

Private Sub NEXTWIN_Click()

/*Form2 SWITCH TO FORM 2 WINDOW */

call("change_diply", "From2")

End Sub

FIG.25

```

Begin VB. Form Form2
    Caption           = "Form2"
    ClientHeight      = 3390
    ClientLeft        = 60
    ClientTop         = 345
    ClientWidth       = 6990
    LinkTopic         = "Form2"
    ScaleHeight       = 3390
    ScaleWight        = 6990
    StartUpPosition   = 3 'Windows DEFAULT
Begin VB. CommandButton START
    Caption           = "START"
    Height            = 735
    Left              = 4560
    TabIndex          = 2
    Top               = 2040
    Width             = 1815
End
Begin VB. CommandButton FAX
    Caption           = "FAX"
    Height            = 735
    Left              = 2520
    TabIndex          = 1
    Top               = 480
    Width             = 1455
End
Begin VB. CommandButton SCAN
    Caption           = "SCAN"
    Height            = 735
    Left              = 480
    TabIndex          = 0
    Top               = 480
    Width             = 1575
End
End
Attribute VB_Name = "Form1"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
Private Sub FAX_Click()
    FAX = True
End Sub
Private Sub SCAN_Click()
    call("ScanStart", A4, ADF, TIFF, BINARY, "/work/tmpfile.tif")
    gwOpItemCreate(win, MESSAGE_ITEM,
        ITEM_MESSAGE_X, 0,
        ITEM_MESSAGE_Y, 12,
        ITEM_MESSAGE_WIDTH, 100,
        ITEM_MESSAGE_HEIGHT, 12,
        ITEM_MESSAGE_CENTER_X, 0,
        ITEM_MESSAGE_BLINK, 0,
        ITEM_MESSAGE, "CHARACTER STRING", 0,
        ITEM_MESSAGE_FRONT, FONT_12, 0,
        0);
End Sub
Private Sub START_Click()
    START = True
End Sub

```

FIG.26

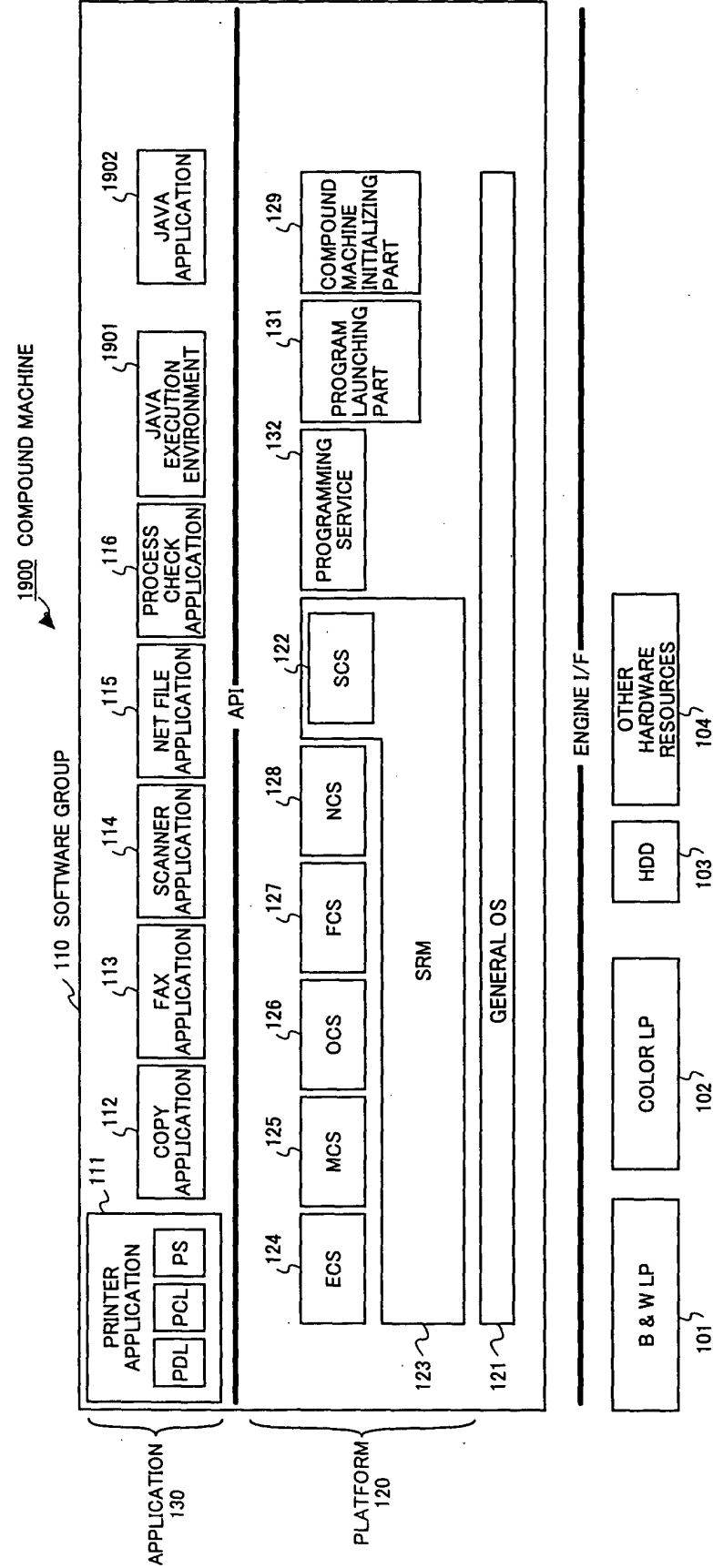


FIG.27

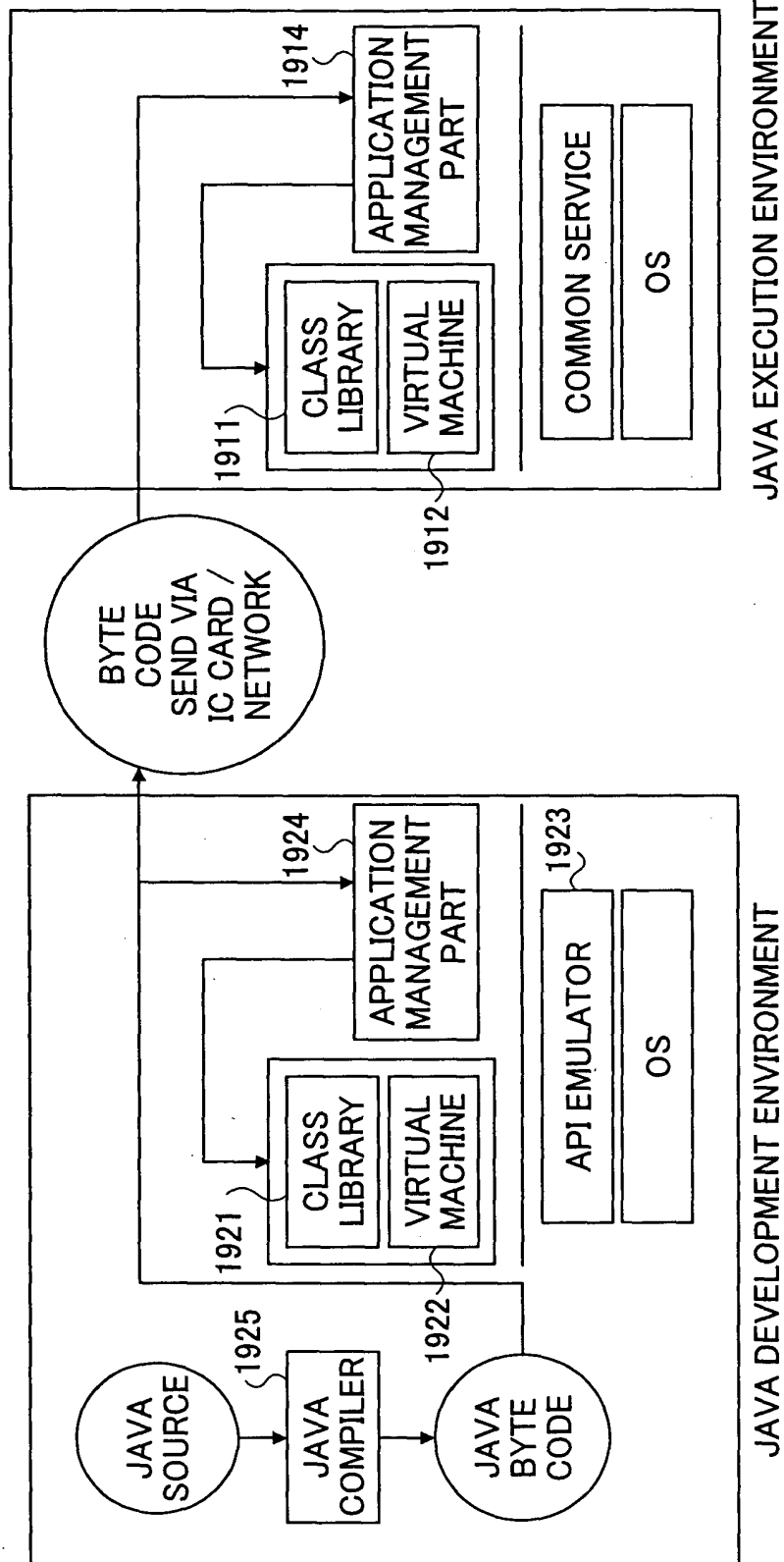


FIG.28

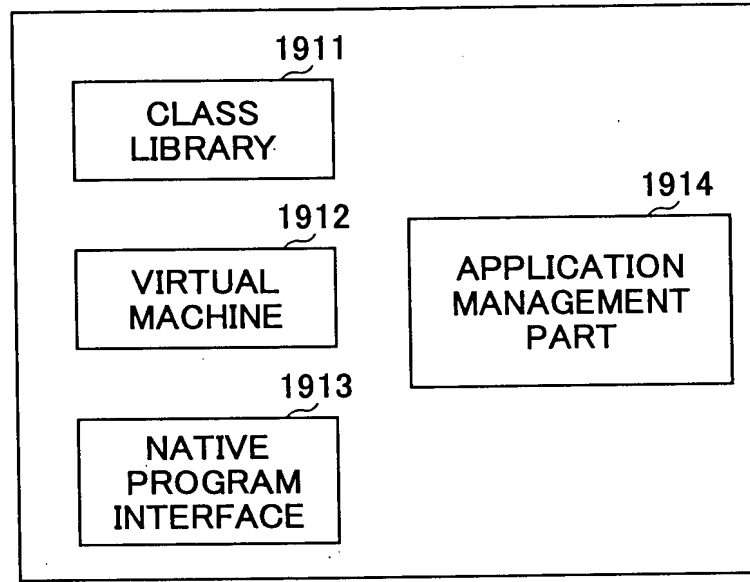


FIG.29

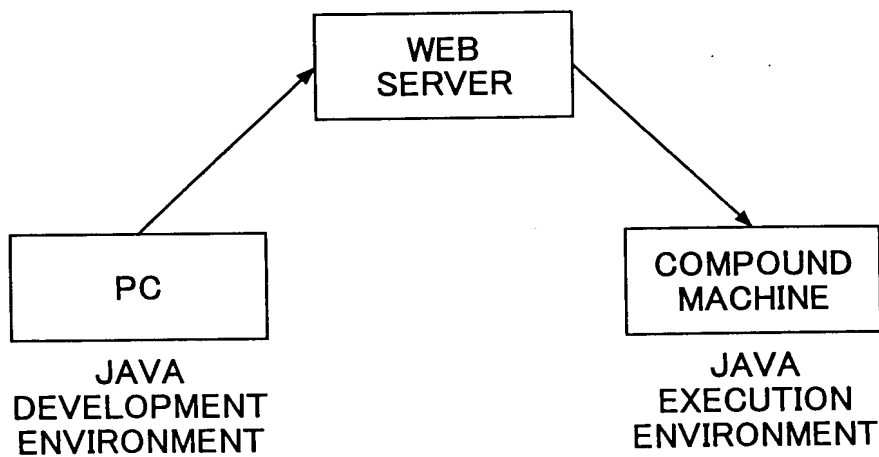


FIG.30

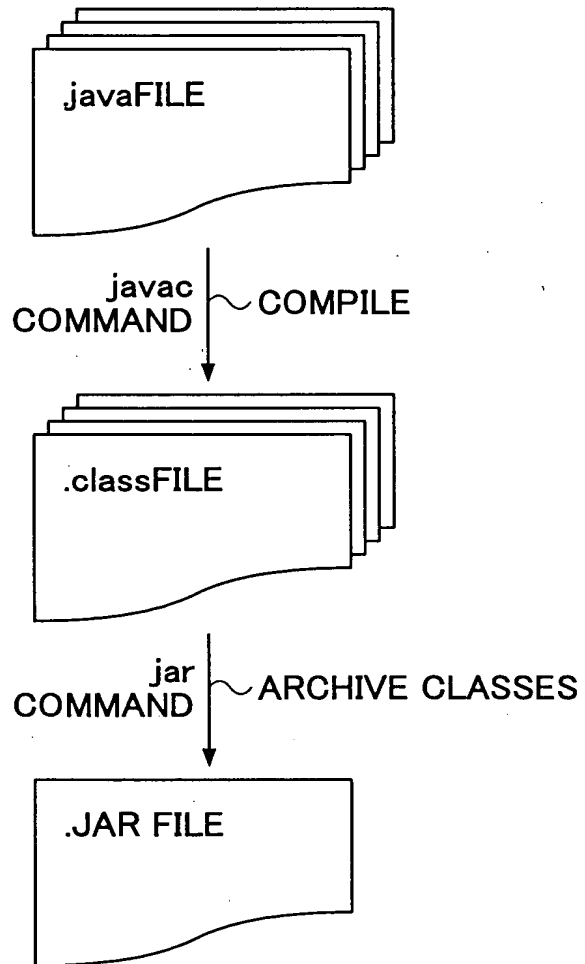
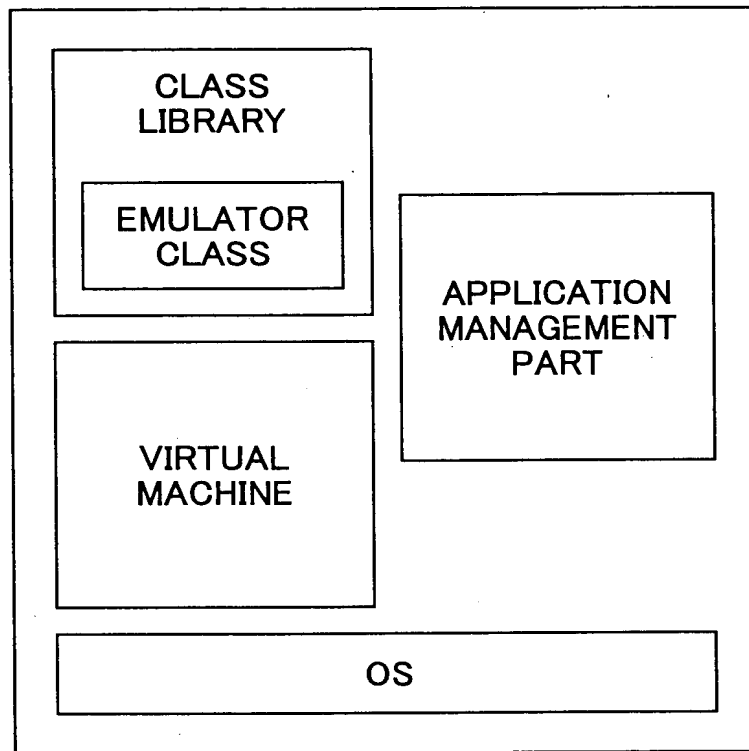


FIG.31



JAVA DEVELOPMENT ENVIRONMENT

FIG.33

A graphical user interface window is shown. It contains a list of three applications: ABC APPLICATION, XXX APPLICATION, and CCC APPLICATION. The first application, ABC APPLICATION, is selected. Below the list is a text field containing the text 'ABC APPLICATION'. At the bottom right of the window are two buttons labeled 'RUN' and 'CANCEL'.

☐ ABC APPLICATION
☐ XXX APPLICATION
☐ CCC APPLICATION

ABC APPLICATION

RUN CANCEL

FIG.34

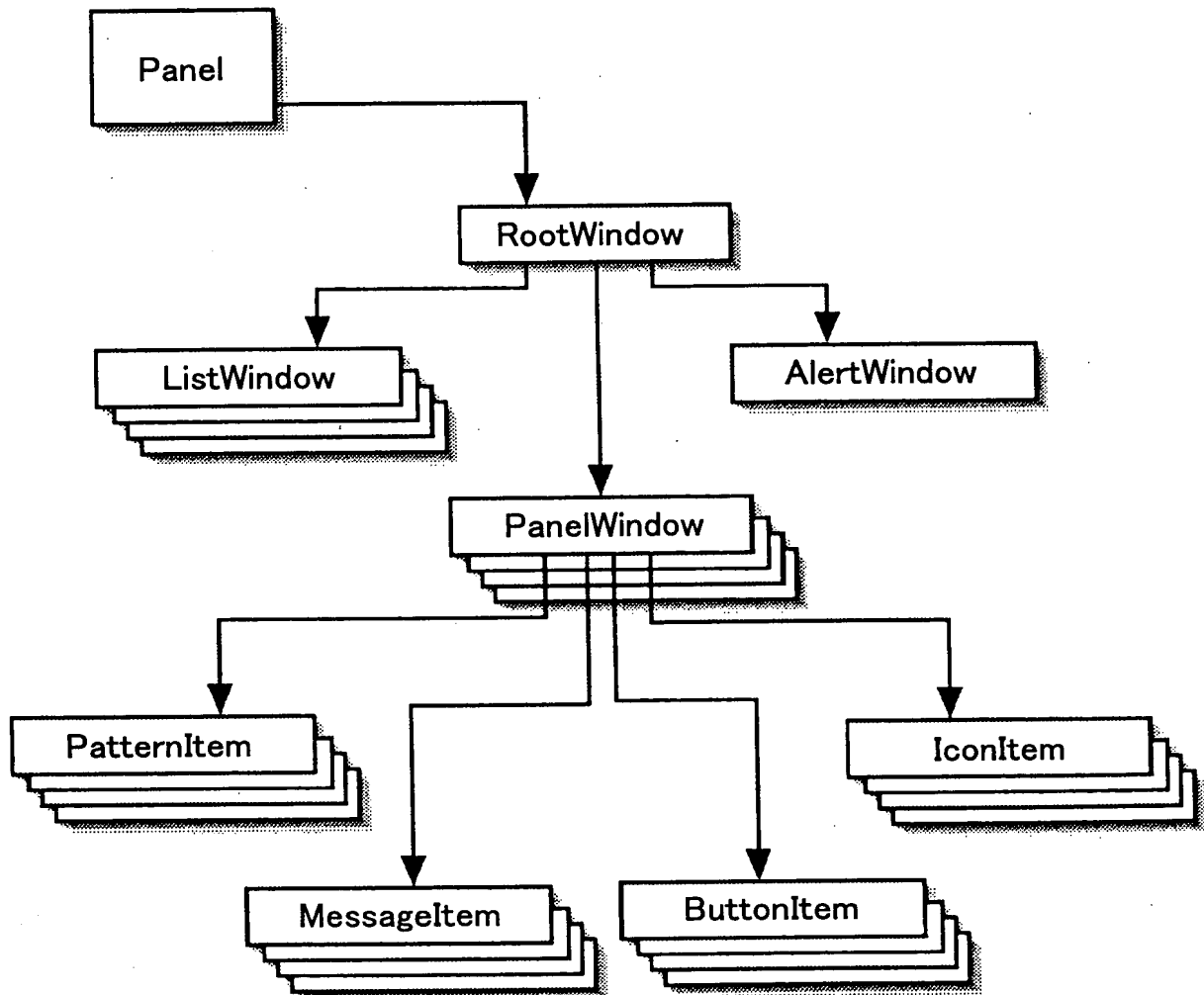


FIG.35

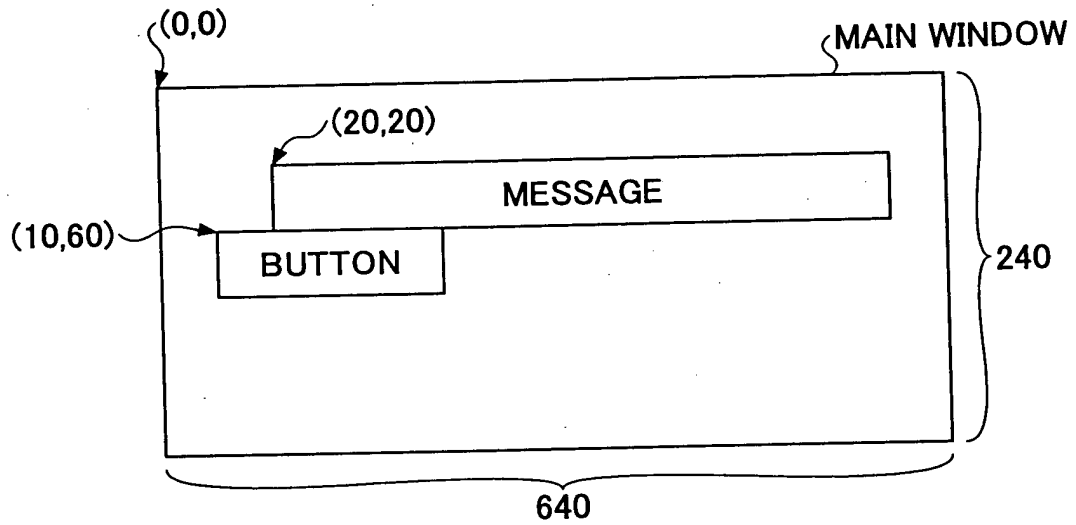


FIG.36

```
import java.lang.*;
import com.ricoh.gw.panel.*; //←①
public class UserApp extends GWApp //←②
{
    public void main()
    {
        Panel panel = new Panel();
        PanelWindow mainwindow =
        new PanelWindow(panel.root());
        ItemString hello = new ItemString("Hello World"); //←③
        MessageItem salutation = new MessageItem(hello);
        salutation.setRect(100, 10, 100, 10);
        mainwindow.addItem(salutation);
        ItemString inputstr =
        new ItemString("Get input...");
        ButtonItem inputButton = new ButtonItem(); //←④
        inputButton.setButtonShape(ButtonItem.BTN_ZAB);
        inputButton.setRect(100, 100, 100, 100);
        inputButton.setWink(true);
        inputButton.addChangeListener(
            new GWChangeListener()
            {
                public void stateChanged(GWEvent e)
                {
                    String answer =
                        SoftKeyboardWindow.request(
                            "Add your Input",
                            "", 256,
                            ItemString.LANG_ENGLISH_US
                        );
                    inputdisplay.setMessage(
                        new ItemString(answer));
                    inputdisplay.paint();
                }
            }
        );
        mainwindow.addItem(inputButton);
        ItemString label1 =
            new ItemString("Your Input Was..."); //←⑤
        MessageItem label = new MessageItem(label1);
        label.setRect(100, 110, 200, 10);
        mainwindow.addItem(label);
        ItemString outputstr = new ItemString("");
        MessageItem
        inputdisplay = new MessageItem(outputstr); //←⑥
        inputdisplay.setRect(100, 125, 200, 10);
        mainwindow.addItem(inputdisplay);
    }
}
```

FIG.37

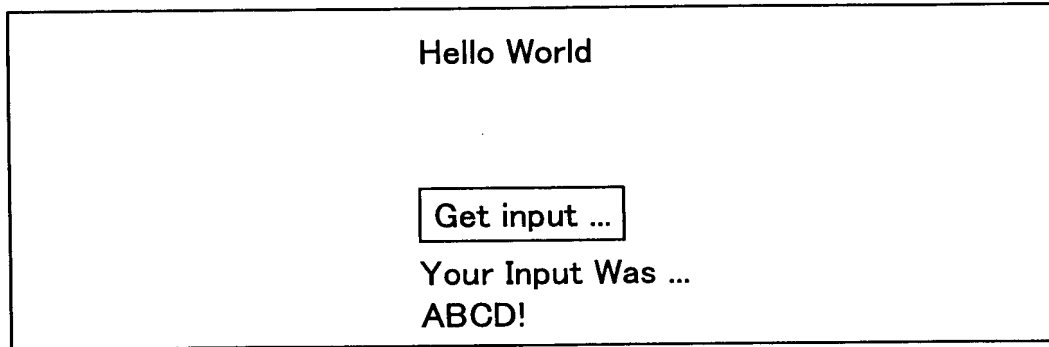


FIG.38

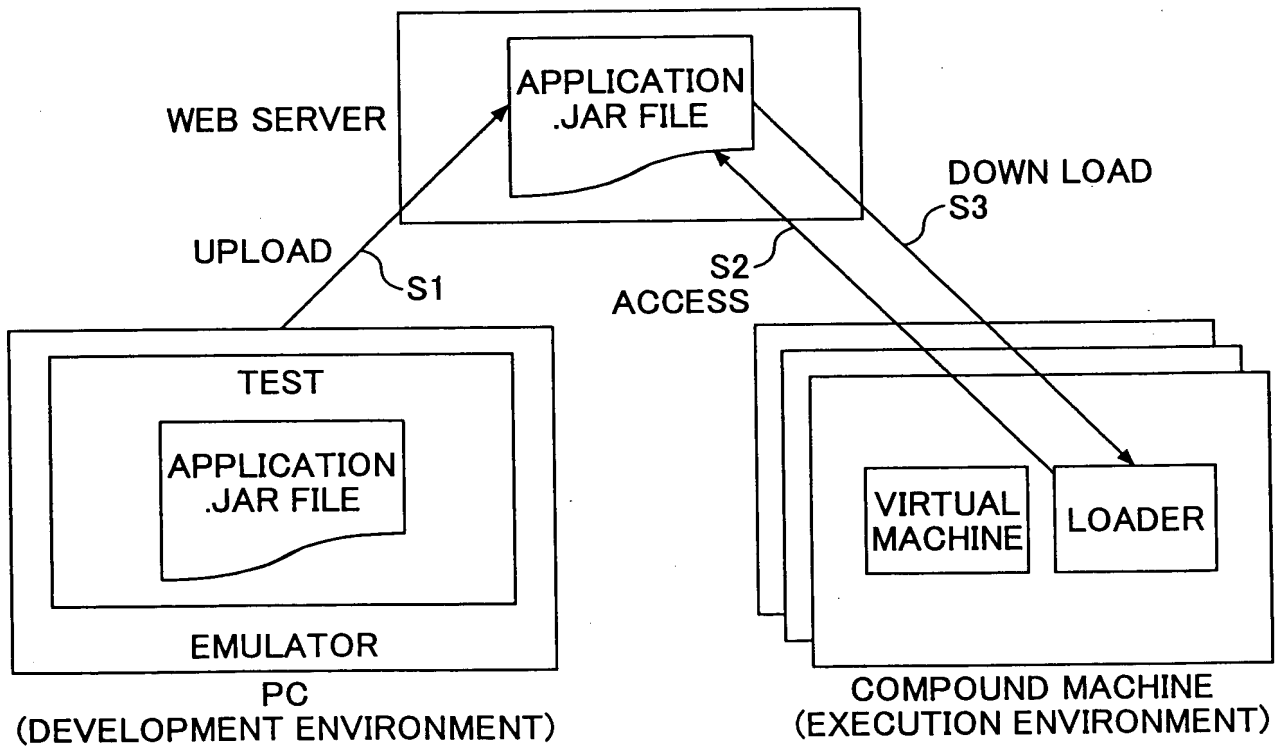


FIG.39

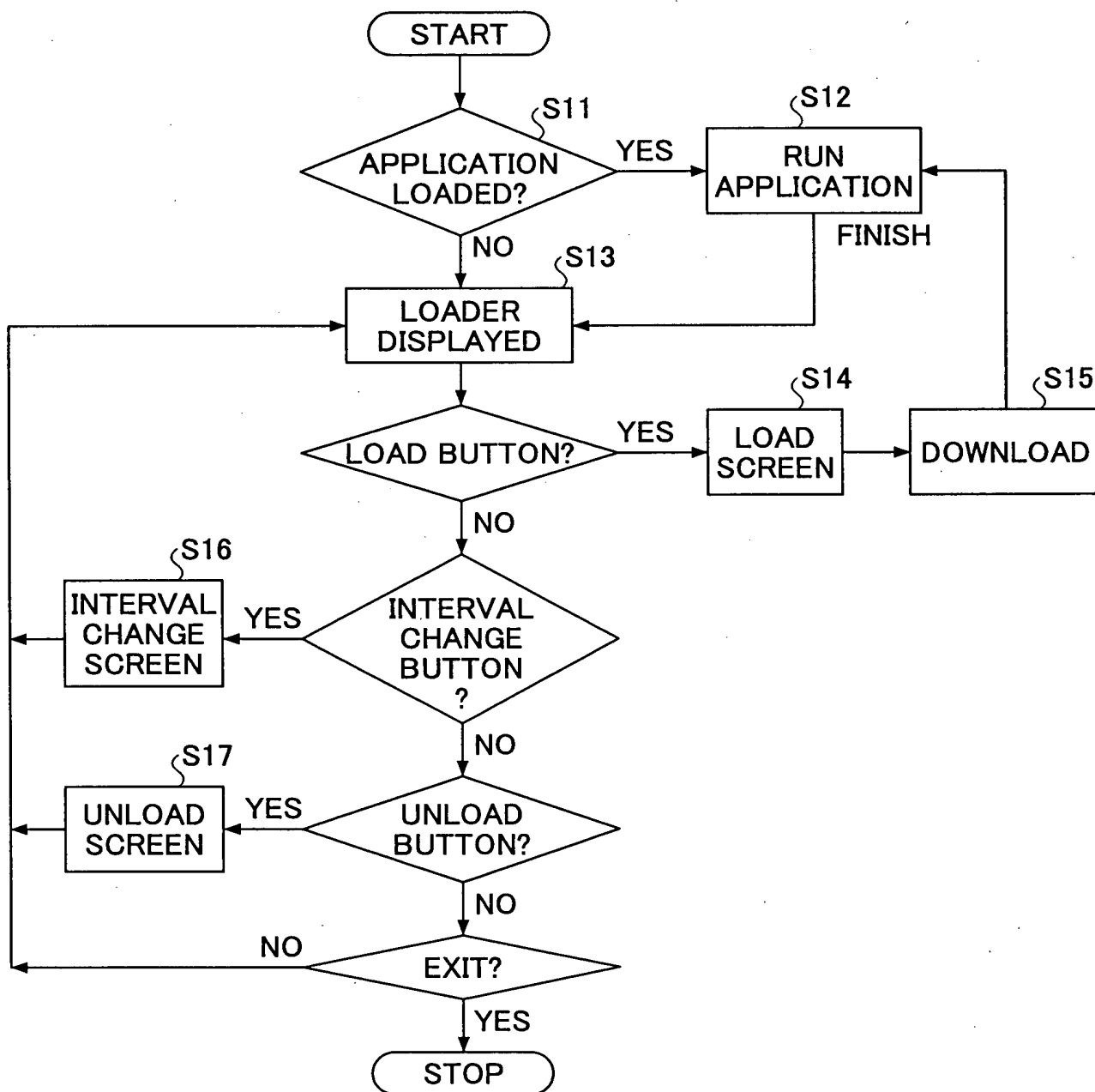


FIG.40

APPLICATION LOADER		EXIT
LOADED APPLICATION	http://xxx.xxx/xxx/abc.jar	
UPDATE INTERVAL	002:00	
LOAD APPLICATION	UPDATE INTERVAL	UNLOAD APPLICATION

FIG.41

LOAD APPLICATION

URL

http://xxx.xxx/xxx/abc.jar

CLASS NAME

aaa

OK

CANCEL

FIG.42

http://xxx.xxx/xx/aaajar
http://xxx.xxx/xx/bbbjar
http://xxx.xxx/xx/cccjjar

⋮

FIG.43

UPDATE INTERVAL

ENTER TIME WITH NUMBER KEYS

002:00

<000:10-999:59>

←

→

CLEAR

OK

CANCEL

FIG.44

UNLOAD CURRENT APPLICATION		
UNLOAD THE CURRENT APPLICATION NOW?		
	OK	CANCEL

FIG.45

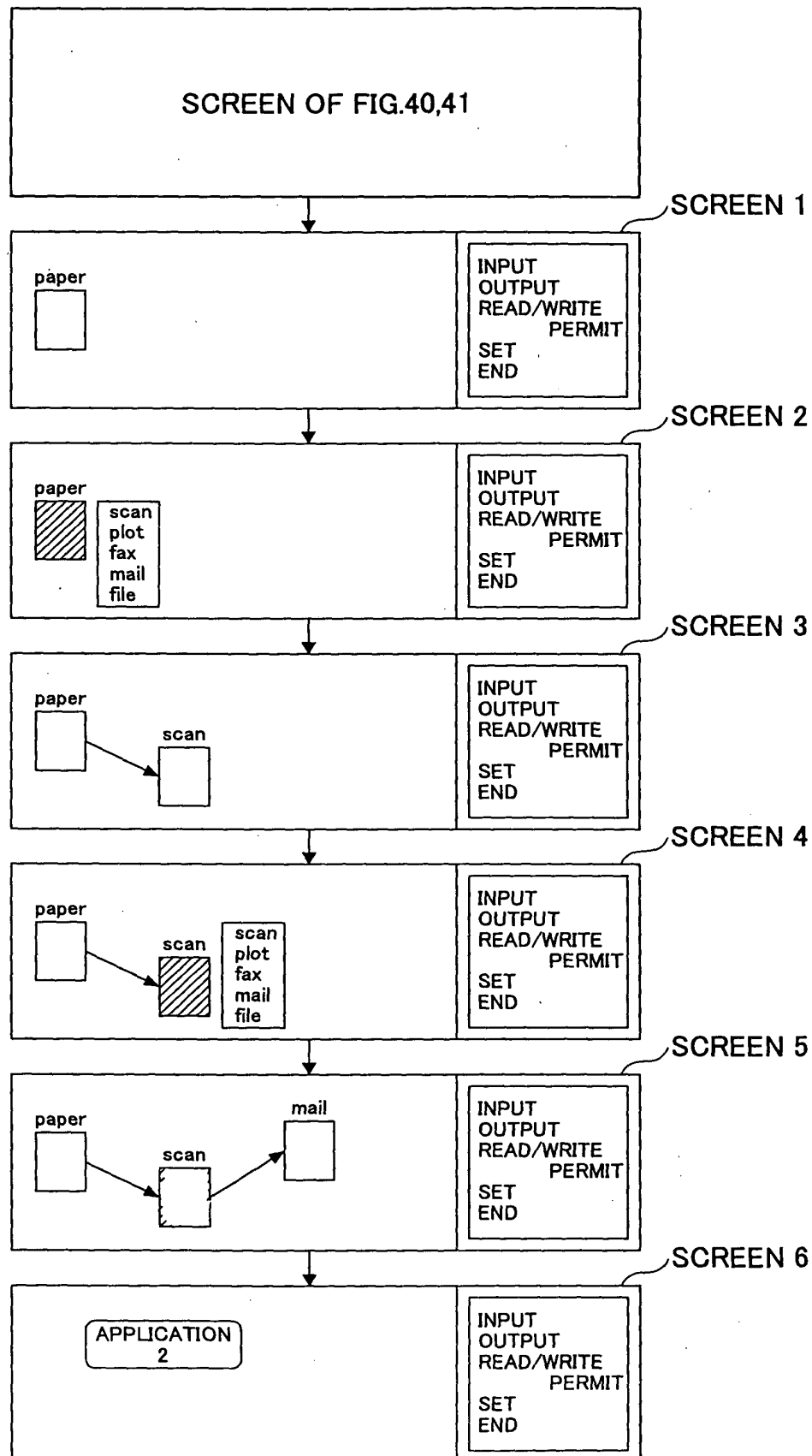


FIG.46

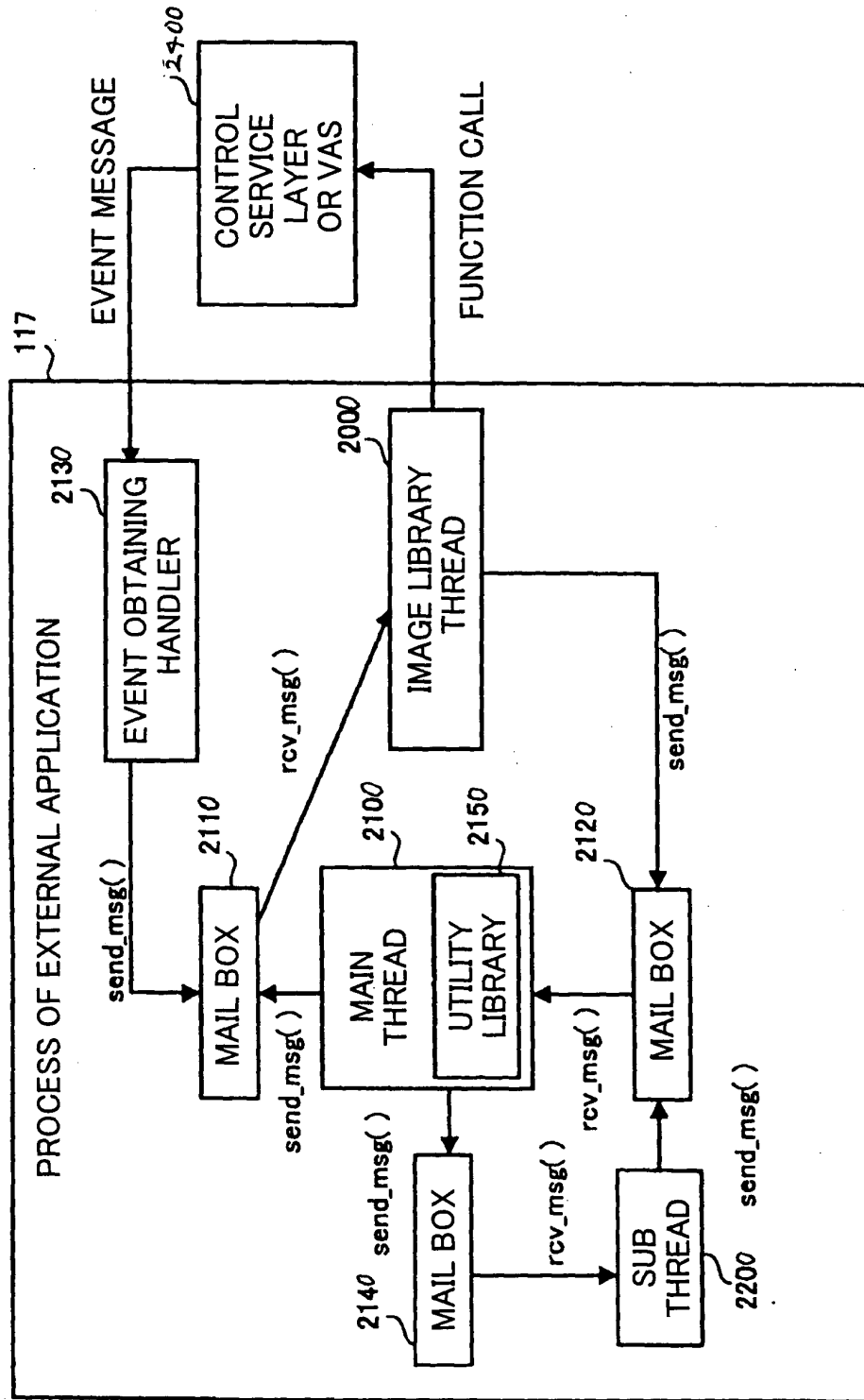


FIG.47

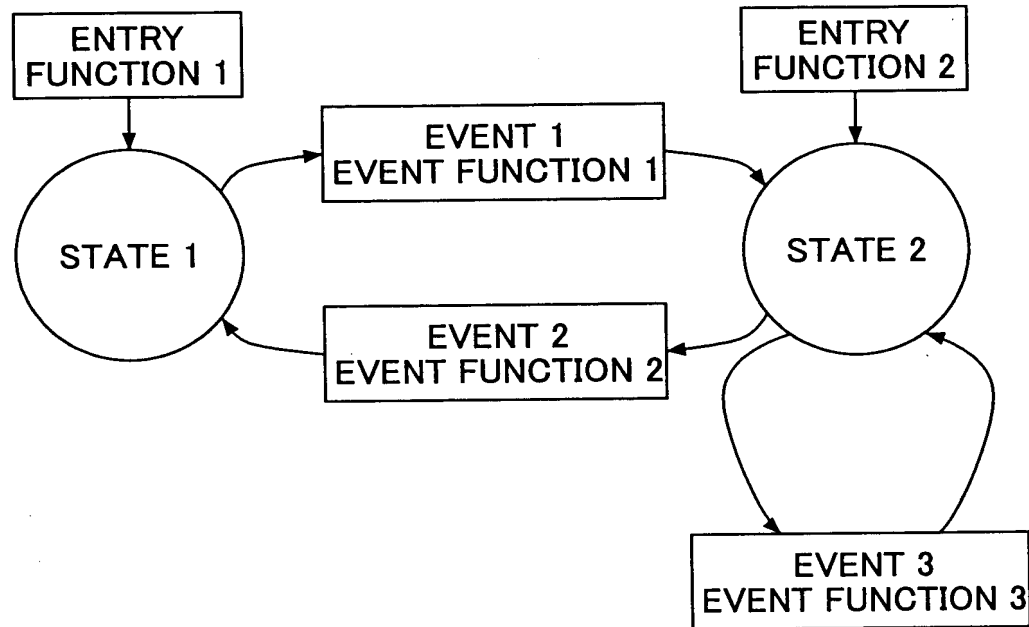


FIG.48

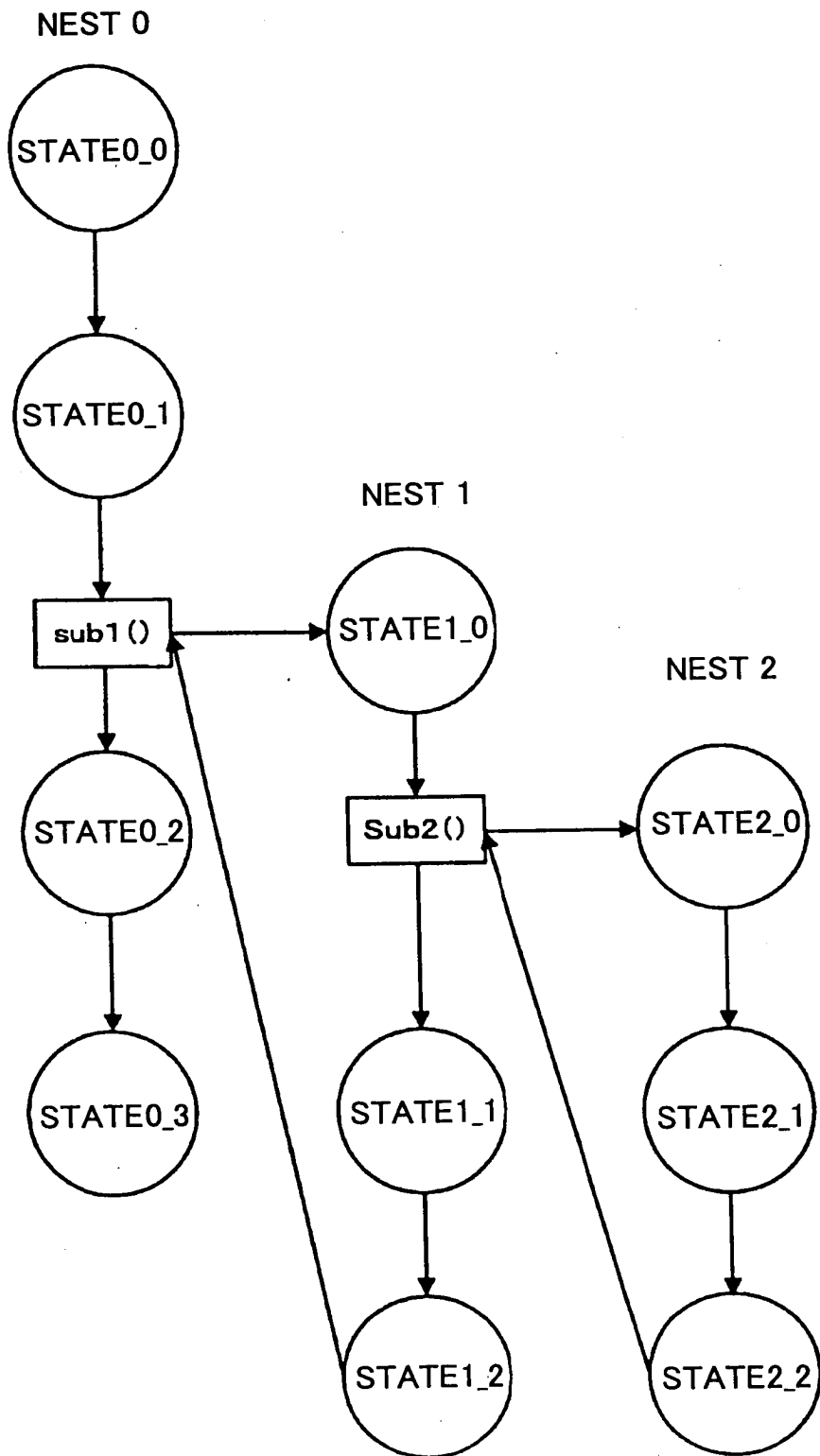


FIG.49

```

#define THREAD_NO 1 //THREAD NUMBER :1
typedef struct {
    int demoData; //DEFINITION OF SHARED VARIABLE
} demoCommonParm_t;

#undef COMMON_STRUCT
#define COMMON_STRUCT demoCommonParm_t // DEFINITION FOR ACCESSING SHARED VARIABLE

enum DEMO_STATE{ // DEFINITION OF STATE
    DEMO_ST_IDLE,
    DEMO_ST_RUN
};

owner TypeFunc_t eventDemoldle[] = // EVENT FUNCTION TABLE OF STATE DEMO_ST_IDLE
{
    { 1, evDemoldle },
    { 0, 0 }
};

owner TypeFunc_t eventDemoRun[] = // EVENT FUNCTION TABLE OF STATE DEMO_ST_RUN
{
    { 2, evDemoRun },
    { 0, 0 }
};

stateInfo_t demoStTbl[] = // STATE INFORMATION TABLE
{
    { enterDemoldle, eventDemoldle },
    { enterDemoRun, eventDemoRun }
};

```

FIG.50

```

/*****
    execDemoFunc
*****/
void    execDemoFunc(void)
{
    int ret;
    COMMON_STRUCT *pCom;    //DEFINITION OF SHARED VARIABLE STRUCTURE POINTER
    pCom = (COMMON_STRUCT *)malloc(sizeof(COMMON_STRUCT));
                        // AREA RESERVE FOR SHARED VARIABLE
    pCom->demoData = 0;    // SET OF SHARED VARIABLE

    ret = StMachine(THREAD_NO, demoStTble, DEMO_ST_IDLE, pCom); // LAUNCH
    free(pCom);          // RELEASE OF SHARED VARIABLE
}

/*****
    enterDemoldle    ENTRY FUNCTION
*****/
void    enterDemoldle(void)
{
    ...
}

/*****
    evDemoldle    EVENT FUNCTION
*****/
void    evDemoldle(void)
{
    ...
}

/*****
    enterDemoRun    ENTRY FUNCTION
*****/
void    enterDemoRun(void)
{
    ...
}

/*****
    evDemoRun    EVENT FUNCTION
*****/
void    evDemoRun(void)
{
    ...
}

```

FIG.51

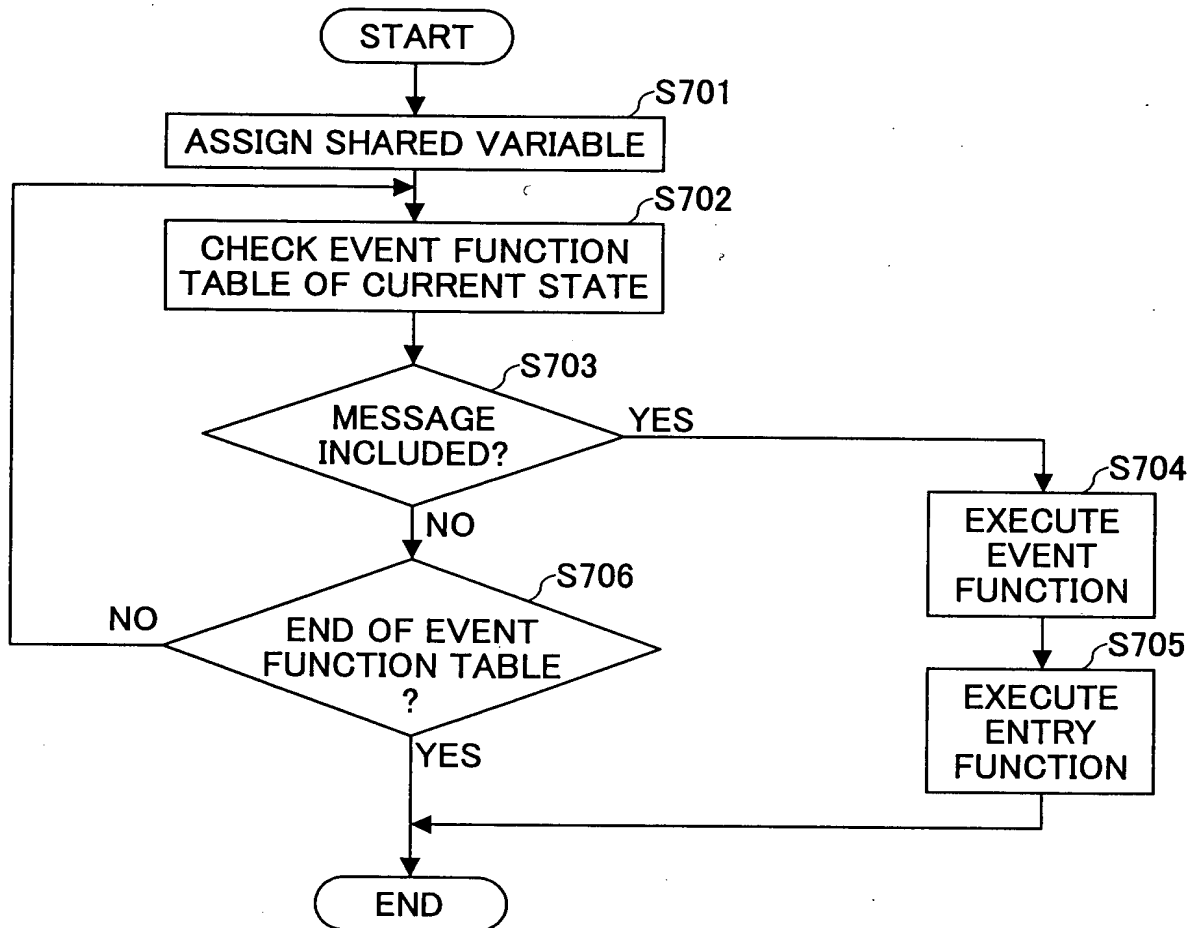


FIG.52

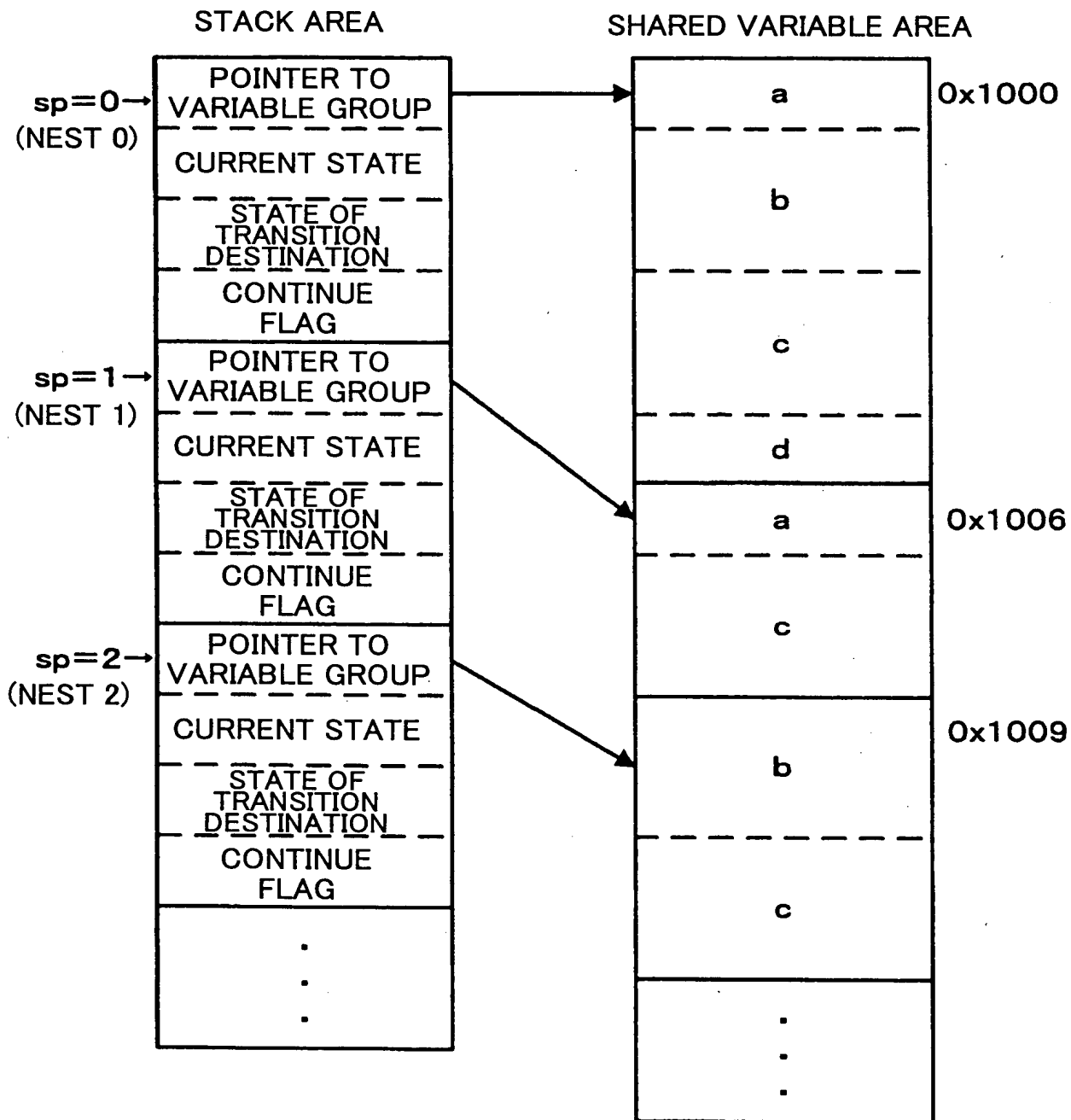


FIG.53

